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The embodiments of the invention in which an exclusive property right or privilege is claimed are defined as follows:

1. A lightweight screeding device manually movable over a surface of uncured concrete and operable to level and smooth the uncured concrete surface, said screeding device comprising:

a concrete surface working member; and

5 a grade setting device which is adjustably mounted to the concrete surface working member and generally vertically adjustable with respect thereto, said concrete surface working member being at least partially supportable on the uncured concrete surface, while said grade setting device is adjustable relative to said concrete surface working member to at least one of establish and indicate a desired grade for the uncured concrete surface.

2. The screeding device of claim 1, wherein the desired grade of said grade setting device is automatically adjustable in response to a laser leveling system.

3. The screeding device of claim 2, wherein said grade setting device is adjustable via at least one actuator, which is operable in response to a signal from a laser receiver mounted to said grade setting device.

4. The screeding device of claim 1 including at least one actuator for vertically adjusting said grade setting device relative to said concrete surface working member.

5. The screeding device of claim 1, wherein said grade setting device comprises an elongated member.

6. The screeding device of claim 5, wherein said elongated member comprises a strike-off plow which functions to establish the desired grade as said screeding device moves over the uncured concrete surface.

7. The screeding device of claim 5, wherein said elongated member includes a plurality of fingers or extensions extending downwardly therefrom which function to indicate the desired grade to an operator of said screeding device.

8. The screeding device of claim 1, wherein said concrete surface working member comprises a vibrating member.
9. The screeding device of claim 8 including a power source for vibrating said vibrating member and for actuating said at least one actuator.
10. The screeding device of claim 8 including a wheeled support frame, said vibrating member being mounted to said wheeled support frame.
11. The screeding device of claim 10, wherein said vibrating member is adjustably mounted to said wheeled support frame.
12. The screeding device of claim 11, wherein said vibrating member is adjustable relative to said wheeled support frame to adjust a height of said vibrating member relative to said wheeled support frame.
13. The screeding device of claim 11, wherein said vibrating member is adjustable relative to said wheeled support frame to adjust a pitch of said vibrating member relative to said wheeled support frame and relative to the concrete surface.
14. The screeding device of claim 10, wherein said wheeled support frame includes at least two wheels.
15. The screeding device of claim 14, wherein said at least two wheels are rotatably driven to move the screeding device over and through the uncured concrete surface.
16. The screeding device of claim 10 including an operator handle extending from a forward end of said wheeled support, said vibrating member being mounted to a rearward end of said wheeled support.
17. The screeding device of claim 16 including a power source for said vibrating member, said power source being positioned at said wheeled support.

18. The screeding device of claim 1, wherein said concrete surface working member comprises a roller.
19. The screeding device of claim 18, wherein said grade setting device comprises a raking member.
20. The screeding device of claim 1 including a concrete moving device operable to move excess concrete from in front of said grade setting device to at least one side of said screeding device as said screeding device is moved through the uncured concrete.
21. The screeding device of claim 20, wherein said concrete moving device comprises an auger which is rotatably driven to move excess concrete.
22. The screeding device of claim 20, wherein said concrete moving device comprises a flexible member having a plurality of paddles spaced therealong, said flexible member being movable to move said plurality of paddles along said grade setting device to move excess concrete from in front of said grade setting device.
23. The screeding device of claim 1, wherein said grade setting device comprises a concrete moving device which is operable to move excess concrete from in front of said concrete surface working member to at least one side of said screeding device as said screeding device is moved through the uncured concrete.
24. The screeding device of claim 23, wherein said concrete moving device comprises an auger which is rotatably driven to move excess concrete.
25. The screeding device of claim 23, wherein said concrete moving device comprises a flexible member having a plurality of paddles spaced therealong, said flexible member being movable to move said plurality of paddles along said grade setting device to move excess concrete from in front of said concrete surface working member.
26. A wheeled screeding device movable over a surface of uncured concrete and being operable to level and smooth the uncured concrete surface, said wheeled screeding device comprising:

a wheeled support having a frame portion and at least one wheel rotatably mounted to
5 said frame portion;

a vibrating member mounted to said frame portion; and

a grade setting device which is adjustably mounted to the vibrating member, said
vibrating member being at least partially supportable on the uncured concrete surface, said
grade setting device being adjustable relative to said vibrating member to at least one of
10 establish and indicate a desired grade of the concrete surface.

27. The wheeled screeding device of claim 26, wherein said grade setting device is
automatically adjustable in response to a laser leveling system.

28. The wheeled screeding device of claim 27, wherein said grade setting device is
adjustable via at least one actuator, said at least one actuator being operable in response to a
signal from a laser receiver mounted to said grade setting device.

29. The wheeled screeding device of claim 26, wherein said grade setting device
comprises a strike-off plow which functions to establish the desired grade as said screeding
device moves over the uncured concrete surface.

30. The wheeled screeding device of claim 26, wherein said grade setting device
comprises at least one indicator which functions to indicate the desired grade to an operator
of said screeding device.

31. The wheeled screeding device of claim 26 including at least one actuator for vertically
adjusting said grade setting device relative to said vibrating member.

32. The wheeled screeding device of claim 26, wherein said at least one wheel is rotatably
driven to move said screeding device over and through the uncured concrete surface.

33. The wheeled screeding device of claim 32 including a power source for driving said at
least one wheel of said wheeled support, said power source being at least partially positioned
on said wheeled support.

34. The wheeled screeding device of claim 33, wherein said vibrating member is mounted to a rearward end of said frame portion and said grade setting device is mounted at a forward portion of said vibrating member.

35. The wheeled screeding device of claim 34, wherein said wheeled support includes a handle portion extending from a forward end of said wheeled support.

36. The wheeled screeding device of claim 26 including a concrete moving device which is operable to engage and move excess concrete from in front of said grade setting device to at least one side of said screeding device as said screeding device is moved through the uncured concrete.

37. The wheeled screeding device of claim 26, wherein said grade setting device comprises a concrete moving device which is operable to engage and move excess concrete from in front of said vibrating member to at least one side of said screeding device as said screeding device is moved through the uncured concrete.

38. The wheeled screeding device of claim 26, wherein said vibrating member is adjustably mounted to said wheeled support.

39. The wheeled screeding device of claim 38, wherein said vibrating member is adjustable relative to said wheeled support to adjust a height of said vibrating member relative to said wheeled support.

40. The wheeled screeding device of claim 38, wherein said vibrating member is adjustable relative to said wheeled support to adjust a pitch of said vibrating member relative to said wheeled support and relative to the concrete surface.

41. A method of smoothing and screeding an uncured concrete surface, said method comprising:

providing a screeding device which includes a concrete surface working member and a grade setting device, said grade setting device being adjustable relative to the concrete surface working member, said concrete surface working member being partially supportable on an uncured concrete surface;

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moving said screeding device at least one of over and through the uncured concrete;
adjusting said grade setting device relative to said concrete surface working member;
and

10 at least one of establishing and indicating a desired grade for the concrete surface with
said grade setting device.

42. The method of claim 41, wherein said concrete surface working member comprises a
vibrating member and said method includes vibrating said vibrating member while said
vibrating member is at least partially supported on the uncured surface.

43. The method of claim 42, wherein providing a screeding device includes providing a
wheeled screeding device including a wheeled support frame for partially supporting at least
one of said vibrating member and said grade setting device, said vibrating member and grade
setting device being mounted at a rearward end of said wheeled support frame.

44. The method of claim 43, wherein providing a screeding device includes providing a
screeding device having a handle portion at a forward end of said wheeled support frame.

45. The method of claim 44, wherein moving said screeding device includes moving and
steering said screeding device via said handle portion.

46. The method of claim 43, wherein moving said screeding device includes driving at
least one wheel of said wheeled support frame.

47. The method of claim 43 including adjusting said vibrating member relative to said
wheeled support frame.

48. The method of claim 47, wherein adjusting said vibrating member includes adjusting
said vibrating member to adjust a height or grade of said vibrating member relative to said
wheeled support frame.

49. The method of claim 47, wherein adjusting said vibrating member includes adjusting
said vibrating member to adjust a pitch of said vibrating member relative to said wheeled
support frame and relative to the concrete surface.

50. The method of claim 41, wherein at least one of establishing and indicating a desired grade includes indicating a desired grade with said grade setting device.

51. The method of claim 41, wherein at least one of establishing and indicating a desired grade includes establishing a desired grade with said grade setting device.

52. The method of claim 51, wherein establishing a desired grade includes establishing a desired grade with a strike-off plow.

53. The method of claim 51, wherein establishing a desired grade includes establishing a desired grade with an auger.

54. The method of claim 41, wherein providing said screeding device includes providing a screeding device having a concrete moving device, said method including moving excess concrete from in front of said concrete surface working member with said concrete moving device.

55. The method of claim 41, wherein adjusting said grade setting device includes adjusting said grade setting device in response to a signal from a laser reference system.

56. The method of claim 55, wherein adjusting said grade setting device includes automatically adjusting said grade setting device in response to a signal from a laser receiver mounted to said grade setting device.

57. The method of claim 41, wherein said concrete surface working device comprises a roller and said method includes rolling said roller along and over the uncured concrete surface while said roller is at least partially supported on the uncured concrete surface.

58. A wheeled screeding device movable over a surface of uncured concrete and being operable to level and smooth the uncured concrete surface, said wheeled screeding device comprising:

5 a wheeled support having a frame portion supported by at least one wheel, said at least one wheel defining an axis of rotation;

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a screed head mounted to said frame portion, said wheeled support being balanced such that said screed head is at least partially supportable on an uncured concrete surface, said screed head being adapted to impart a force onto the uncured concrete surface; and

an adjustment device operable to adjust a balance of said wheeled support about said
10 axis of rotation to adjust said force imparted by said screed head.

59. The wheeled screeding device of claim 58, wherein said adjustment device comprises at least one weight at at least one end of said wheeled support.

60. The wheeled screeding device of claim 58, wherein said adjustment device is operable to adjust a position of said frame portion relative to said axis of rotation.

61. The wheeled screeding device of claim 58, wherein said screed head comprises a vibratable member for engaging and smoothing the uncured concrete surface.

62. The wheeled screeding device of claim 61, wherein said screed head includes a grade setting device which is adjustably mounted to the vibratable member, said grade setting device being adjustable relative to said vibratable member to at least one of establish and indicate a desired grade of the concrete surface.

63. The wheeled screeding device of claim 61, wherein said screed head includes a means for moving excess concrete from in front of said vibratable member.

64. The wheeled screeding device of claim 58, wherein said screed head comprises an elongated roller device which is operable to rotatably engage the uncured concrete surface.

65. The wheeled screeding device of claim 58, wherein said screed head comprises a grade setting device for establishing a desired grade of the uncured concrete surface.

66. The wheeled screeding device of claim 58, wherein said screed head comprises an auger.

67. A wheeled screeding device movable over a surface of uncured concrete and being operable to level and smooth the uncured concrete surface, said wheeled screeding device comprising:

- a wheeled support having a frame portion supported by at least one wheel, said at
5 least one wheel defining at least one axis of rotation; and
- a screed head mounted to said frame portion, said screed head being at least partially supportable on an uncured concrete surface, wherein said screed head is pivotable about an axis generally normal to said axis of rotation and relative to said at least one wheel to adjust an angle of said screed head relative to said axis of rotation.

68. The wheeled screeding device of claim 67, wherein said frame portion is pivotable about said axis of rotation, said vibrating member being pivotable with said frame portion about said axis of rotation.

69. The wheeled screeding device of claim 68, wherein said frame portion includes at least one oscillation damper to limit pivotal movement of said frame portion about said axis of rotation.

70. The wheeled screeding device of claim 68, wherein said frame portion includes a locking device to substantially fix said frame portion relative to said axis of rotation at a desired angle.

71. The wheeled screeding device of claim 67, wherein said screed head is pivotable about said axis of rotation relative to said frame portion.

72. The wheeled screeding device of claim 67, wherein said screed head comprises a vibratable member.

73. The wheeled screeding device of claim 72, wherein said screed head includes a grade setting device which is adjustably mounted to the vibratable member, said grade setting device being adjustable relative to said vibratable member to at least one of establish and indicate a desired grade of the concrete surface.

74. The wheeled screeding device of claim 72, wherein said screed head includes means for moving excess concrete from in front of said vibratable member.

75. The wheeled screeding device of claim 67, wherein said screed head comprises an auger.

76. The wheeled screeding device of claim 67, wherein said screed head comprises a strike-off plow.

77. The wheeled screeding device of claim 67, wherein said screed head comprises an elongated leveling roller.

78. A method of smoothing and screeding an uncured concrete surface, said method comprising:

providing a wheeled screeding apparatus which includes at least one wheel, a frame portion mounted at said at least one wheel, and a screeding device mounted at said frame portion, said at least one wheel being movable through an uncured concrete surface;

balancing said wheeled screeding apparatus about said at least one wheel such that said screeding device is at least partially supported on the uncured concrete surface;

moving said wheeled screeding apparatus at least one of over and through the uncured concrete; and

screeding the uncured concrete surface with said screeding device while said screeding device is at least partially supported on the uncured surface.

79. The method of claim 78, wherein balancing said wheeled screeding apparatus includes balancing said wheeled screeding apparatus about a single axis of rotation of said at least one wheel, said screeding device being positioned at a first side of said single axis of rotation.

80. The method of claim 79, wherein balancing said wheeled screeding apparatus includes balancing said wheeled screeding apparatus such that a first amount of weight of said wheeled screeding apparatus is positioned at said first side of said single axis of rotation and a second amount of weight of said wheeled screeding apparatus is positioned opposite

- 5 said first side of said single axis of rotation, said first amount of weight being greater than said second amount of weight.

81. The method of claim 78 including adjusting said wheeled screeding apparatus to adjust a degree in which said screeding device is supported on the uncured concrete surface.

82. The method of claim 78 including adjusting an angle of said screeding device about an axis generally parallel to a direction of travel of said wheeled screeding apparatus.

83. The method of claim 78, wherein providing a wheeled screeding apparatus includes providing a screeding device which includes a vibratable member.

84. The method of claim 83, wherein providing a wheeled screeding apparatus includes providing a grade setting device adjustably mounted to said vibratable member.

85. The method of claim 84 including:
 adjusting said grade setting device relative to said vibratable member; and
 at least one of establishing and indicating a desired grade for the concrete surface with said grade setting device.

86. The method of claim 83, wherein said screeding device includes means for moving excess concrete from in front of said vibratable member.

87. The method of claim 78, wherein said screeding device comprises an auger.

88. The method of claim 78, wherein said screeding device comprises a strike-off plow.

89. The method of claim 78, wherein said screeding device comprises an elongated spinning roller or tube for leveling.